

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Date This Paper Filed : February 3, 2005

Sheet 1 of 2

Complete if Known

Application Number	Not Yet Assigned
Filing Date	February 3, 2005
First Named Inventor	DAIRIKI et al.
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	46242

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Appl. Filing Date			
/D.S./	AR	2004/0102323	November 18, 2003	Vigil et al.	May 27, 2004	
/D.S./	BR	4,739,040	December 24, 1986	Naga et al.	April 19, 1988	
/D.S./	CR	4,755,186	September 19, 1986	Ernst F.	July 5, 1988	
	DR					
	ER					

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Inventor/Applicant Name	Document Number	Country	Date of Publication of Cited Document MM-DD-YYYY	English Abstract	Counterpart U.S. Appl. No.
						End No	
/D.S./	FR	Dusseck Campbell Limited	WO 00/53688	PCT	September 14, 2000		
/D.S./	GR	Ninon Kankyo Asesumento C.	JP H4-252294	Japan	September 8, 1992	YES	
/D.S./	HR	Phoenix AG	DE 3434353	Germany	March 27, 1986	NO	
/D.S./	IR	Mobay Corporation	EP 0224092	Europe	June 3, 1987		
	IR						

OTHER (Including in this order, Author, Title, Periodical Name, Date, Pertinent Pages)

/D.S./	KR	Erdman, H. et al., "Studies on the sulfonation of Lignin. II. Sulfonation of ethoxylated lignosulfonic acids of low sulfur content," Acta Chemica Scandinavica, 1950, V. 4, pp 971-977				Abstract only	
	LR						
	MR						
	NR						
	OR						
	PR						

Examiner Signature	/Danielle Sullivan/	Date Considered	07/12/2007
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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	AS					
	BS					
	CS					
	DS					
	ES					

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						Encl. No.	
/D.S./	ES	Nihon Nohyaku Co. Ltd.	JP 62-263101	Japan	November 16 1987		
/D.S./	GS	Sumitomo Chemical Co. Ltd.	JP 3-128301	Japan	May 31 1991		
/D.S./	HS	Sumitomo Chemical Co. Ltd.	JP 7-17810	Japan	January 20 1995		
/D.S./	IS	Nissan Chemical Industries Ltd.	JP 8-34702	Japan	February 6 1996		
/D.S./	JS	Kumiai Chemical Industry Co. Ltd.	JP 9-183704	Japan	July 15 1997		
/D.S./	KS	Nippon Raver Agrochem KK	JP 11-49604	Japan	February 23 1999		

OTHER (Including in this order, Author, Title, Periodical Name, Date, Pertinent Pages)

	LS			
	MS			
	NS			
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Examiner Signature

/Danielle Sullivan/

Date Considered

07/12/2007

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